

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L30	109	("5567267").URPN.	USPAT	OR	ON	2010/05/14 15:58
S1	4154	((118/728-732) or (156/345.51-345.55)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/02 20:41
S2	146	S1 and heat\$3 and cool\$3 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 20:41
S3	61	S1 and heat\$3 and cool\$3 near (fluid liquid gas) and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 20:41
S4	65	("4399016"   "4434042"   "4448652"   "4705595"   "4771730"   "4832781"   "4844767"   "4897171"   "4911812"   "4956043"). PN. OR ("5078851"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 20:50
S5	13	("5709757"   "5835334"   "5851298").PN. OR ("6646233").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:03
S6	5	S5 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:03
S7	78	("20010012604"   "20020036881"   "20020050246"   "20020075624"   "20020081445"   "20030168439"   "20050219786"   "3586343"   "4180723"   "4184188"   "4384918"   "4645218"   "4902025"   "5155652"   "5191506"   "5213349"   "5280156"   "5376213"   "5460684"   "5478429"   "5527584"   "5529657"   "5581874"   "5600530"   "5606484"   "5625526"   "5665260"   "5671116"   "5720818"   "5729423"   "5737178"   "5745331"   "5796074"   "5818693"   "5822171"   "5827585"   "5858100"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:05

		"5870100"   "5879100"   "5886863"   "5886864"   "5906684"   "5949650"   "5958813"   "5978202"   "5986747"   "5986875"   "5994662"   "6034863"   "6048434"   "6072685"   "6074512"   "6081414"   "6094334"   "6108189"   "6120661"   "6159055"   "6181049"   "6215641"   "6219219"   "6310755"   "6462928"   "6490144"   "6490146"   "6503131"   "6503572"   "6506291"   "6538872"   "6563686"   "6646233"   "6700099"   "6740853"   "6853533"   "6907924"   "6918530"   "7029529"   "7247819"   "7480129").PN.				
S8	34	S7 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:05
S9	8	S7 and braz\$3 with seal\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:05
S10	19	((THOMAS) near2 (HAMELIN)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:13
S11	6	US-6180926-\$.DID. OR US-6190063-\$.DID. OR US-6508062-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:16
S12	2	US-5323292-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:16
S13	21	("3719052"   "4432635"   "5029445"   "5061630"   "5134436"   "5154661"   "5269146"   "5450726"   "5456081"   "5522215"   "5613364"   "5667622"   "5671117"   "5728253"   "5740016"   "5802856"   "5996353").PN. OR ("6508062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:17
S14	5695	tokyo near electron.as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:19
S15	10	S14 and braz\$3.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:19
S16	6	US-4534816-\$.DID. OR US-5634537-\$.DID. OR US-6677167-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:23

S17	5	("2002/0050246").URPN.	USPAT	OR	ON	2009/11/05 21:54
S18	4175	((118/728-732) or (156/345.51-345.55)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/05 21:55
S19	316	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 21:57
S20	70	(cool\$3) near (groove channel trench path passage pathway).clm. and heat\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 21:57
S21	3	10/670292	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:05
S22	17	("5268812"   "5323292"   "5458189"   "5615086"   "5659458"   "5720338"   "5880524"   "5907474"   "5957547"   "6133631"   "6212074"   "6474074"   "6504720"   "6550263"   "6550531"   "6665187"   "6681482").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:06
S23	17	("5268812"   "5323292"   "5458189"   "5615086"   "5659458"   "5720338"   "5880524"   "5907474"   "5957547"   "6133631"   "6212074"   "6474074"   "6504720"   "6550263"   "6550531"   "6665187"   "6681482").PN. OR ("6992892").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:07
S24	1	(braz\$3) near4 (groove channel trench path passage pathway).clm. and heat\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:10
S25	4176	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and braz\$3and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:11
S26	36	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and braz\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:11

S27	13	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and braz\$3 with (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:15
S28	0	braz\$3 near2 (groove channel trench path passage pathway) with (trap\$3 isolat\$3 prevent\$3 contain\$3 control%4) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:16
S29	0	braz\$3 near2 (groove channel trench path passage pathway) with (trap\$3 isolat\$3 prevent\$3 contain\$3 control\$4) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:16
S30	4	braz\$3 near2 (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:17
S31	7	braz\$3 near4 (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:17
S32	9	braz\$3 near6 (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:20
S33	2	S32 not S31	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:20
S34	118	(groove channel trench path passage pathway) near (trap\$3 isolat\$3 prevent\$3 contain\$3 control\$4) with braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:21
S35	2	("4519445").URPN.	USPAT	OR	ON	2009/11/05 22:24
S36	27	braz\$3 near2 (groove channel trench path passage pathway) and ("118" "156" "216" "414"). clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:25
S37	116	(groove channel recess hollow trench path passage pathway) with braz\$3 with joint.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:39

S38	3	braz\$3 near2 (groove channel recess hollow trench path passage pathway) with contaminat \$3 and (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:47
S39	24	braz\$3 with (groove channel recess hollow trench path passage pathway) with contaminat \$3 and (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:50
S40	49	("3355078"   "3955163"   "4603466"   "4707012"   "5230741"   "5267607"   "5374829"   "5376180"   "5516367"   "5531835"   "5556476"   "5703493"   "5738165"   "5749999"   "5961774"   "6149727"   "6179924"   "RE31053"). PN. OR ("6464790"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:51
S41	4175	((118/728-732) or (156/345.51-345.55)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 10:54
S42	4	braz\$3 near2 (groove channel recess hollow trench path passage pathway) and S41	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:54
S43	12	braz\$3 near2 (joint) and S41	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:54
S44	2	("5155652"   "6099697"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:57
S45	1	("5511799").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 10:58
S46	34	("1716157"   "2858126"   "2972808"   "3124714"   "4073427"   "4512841"   "4771730"   "4897171"   "4991991"   "5073716"   "5104834"   "5134436"   "5155652"   "5179498"   "5191506"   "5265790"). PN. OR ("5511799"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:58

S47	10	("5228501"   "5511799"   "5535090"   "5656093"   "5810933"   "5861086"). PN. OR ("6853533"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:06
S48	7	S47 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:07
S49	58	("20020036881"   "20020050246"   "20020081445"   "20050219786"   "3586343"   "4645218"   "4902025"   "5155652"   "5191506"   "5213349"   "5280156"   "5376213"   "5460684"   "5478429"   "5527584"   "5529657"   "5581874"   "5600530"   "5606484"   "5625526"   "5665260"   "5671116"   "5737178"   "5745331"   "5818693"   "5827585"   "5858100"   "5870100"   "5879100"   "5886863"   "5886864"   "5906684"   "5949650"   "5958813"   "5978202"   "5994662"   "6034863"   "6048434"   "6072685"   "6081414"   "6094334"   "6108189"   "6120661"   "6159055"   "6215641"   "6219219"   "6310755"   "6490144"   "6503131"   "6503572"   "6538872"   "6563686"   "6646233"   "6700099"   "6740853"   "6853533"   "6907924"   "6918530"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:08
S50	22	S49 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:09
S51	1	braz\$3 near2 (groove channel recess hollow trench path passage pathway) with contaminat \$3 and S41	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:13
S52	4	braz\$3 near2 (groove channel recess hollow trench path passage pathway) and S41	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:14

S53	2041	braz\$3 near2 (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:14
S54	65	braz\$3 near2 (groove channel trench path passage pathway) with (trap\$3 isolat\$3 prevent\$3 contain\$3 control%4 contaminat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:15
S55	20	("2125324"   "2646995"   "3015885"   "3259971"   "3276113"   "3475811"   "3514842").PN. OR ("3909917").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:28
S56	14	("2125324"   "2646995"   "3015885"   "3259971"   "3276113"   "3475811"   "3514842").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:37
S57	1	10/587390	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:08
S58	579	S41 and (heat\$3 near (liquid fluid gas) steam)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:22
S59	83	S41 and (heat\$3 near (liquid fluid gas) steam) with (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:22
S60	5839	((118/725,728-732) or (156/345.51-345.55)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 15:05
S61	943	S60 and (heat\$3 near (liquid fluid gas) steam)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:06
S62	209	S60 and (heat\$3 near (liquid fluid gas) steam). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:06
S63	30	S60 and (heat\$3 near (liquid fluid gas) steam). clm. and (AIN aluminum adj nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:06
S64	15	S60 and (heat\$3 near (liquid fluid gas) steam) same (AIN aluminum adj nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:36

S65	28	("20010020516"   "3911386"   "4622687"   "5078851"   "5155652"   "5280156"   "5306895"   "5376213"   "5415225"   "5547539"   "5595241"   "5665166"   "5665260"   "5675471"   "5753132"   "5788799"   "5800618"   "5846375"   "5880924"   "5900103"   "6074518"   "6081414"   "6101969"   "6106737"   "6135052"   "6143128"   "6197246"   "6391147").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:39
S66	14	S65 and (AIN aluminum adj nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:39
S67	1	("6179924").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 16:28
S68	23	("3791342"   "4790262"   "4854263"   "4892753"   "4990374"   "5094885"   "5230741"   "5238499"   "5252807"   "5374594"   "5447570"   "5516367"   "5556476"   "5688331"   "5730804"   "5911834"   "5994678").PN. OR ("6179924").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:28
S69	1642	S60 and (heat\$3) with (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:37
S70	1642	S60 and (heat\$3) with (groove channel recess hollow trench path passage pathway) with (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:38
S71	492	S60 and (heat\$3) with (groove channel recess hollow trench path passage pathway) with (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:38



S72	17	S60 and (heat\$3) with (groove channel recess hollow trench path passage pathway) with (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder reffridgerant refrigerat\$3). clm. and thermoelectric	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:39
S73	28	("20010020516"   "3911386"   "4622687"   "5078851"   "5155652"   "5280156"   "5306895"   "5376213"   "5415225"   "5547539"   "5595241"   "5665166"   "5665260"   "5675471"   "5753132"   "5788799"   "5800618"   "5846375"   "5880924"   "5900103"   "6074518"   "6081414"   "6101969"   "6106737"   "6135052"   "6143128"   "6197246"   "6391147").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:49
S74	3	S60 and (heat\$3) with steam with (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:07
S75	47	S60 and (heat\$3) with steam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:07
S76	12	("4956043"   "5220171"   "5846375"   "5927077"   "6080969"   "6226073"   "6229116"   "6332724"   "6736206"   "6744020"   "6810298"   "6824616").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:09
S77	12	("4956043"   "5220171"   "5846375"   "5927077"   "6080969"   "6226073"   "6229116"   "6332724"   "6736206"   "6744020"   "6810298"   "6824616").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:21
S78	5	("20010017035"   "5846375"   "6102113"   "6415858"   "6544338").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:21
S79	7286	thermoelectric adj cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:31

S80	11	S79 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:31
S81	1	"20020139523"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:46
S82	3	("6736206").URPN.	USPAT	OR	ON	2009/11/06 17:49
S83	4	10/455491	USPAT	OR	ON	2009/11/06 17:49
S84	1	10/587390	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:30
S85	36	("5147497"   "5155652"   "5191506"   "5228501"   "5250137"   "5310453"   "5376213"   "5463526"   "5567267"   "5571366"   "5581874"   "5584971"   "5625526"   "5656093"). PN. OR ("6081414"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:47
S86	2	((("6646233") or ("20030228772")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/12 20:58
S87	1	("20020050246").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/12 21:03
S88	1	("5567267").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/12 21:34
S89	114	("5078851"   "5255153"   "5290381"   "5320982"   "5376213").PN. OR ("5567267").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/12 21:34
S90	22	("3623712"   "3836751"   "4350537"   "4486652"   "4492852"   "4493977"   "4550245"   "4560420"   "4680061"   "4743570"   "4857704"   "4909314"   "4949783"   "4971653"   "5044943"   "5177878"   "5248402"   "5294778"   "5320982"   "5382311"   "5567267"   "5676205"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/12 21:41
S91	7	("5950723").URPN.	USPAT	OR	ON	2010/05/12 21:41
S92	37	("5775416").URPN.	USPAT	OR	ON	2010/05/12 21:54

### EAST Search History (Interference)

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**5/ 14/ 2010 5:21:00 PM**

**C:\ Documents and Settings\ tnuckols\ My Documents\ EAST\ Workspaces\ 10\ 10-587390  
Braze Substrate Holder with Cooling Passages and Heater.wsp**